### (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

# (19) World Intellectual Property Organization

International Bureau



### 

(43) International Publication Date 10 February 2005 (10.02.2005)

**PCT** 

## (10) International Publication Number WO 2005/013139 A1

(51) International Patent Classification<sup>7</sup>: 17/30, 17/60

G06F 15/16,

(21) International Application Number:

PCT/KR2003/001941

(22) International Filing Date:

23 September 2003 (23.09.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 10-2003-0053545

1 August 2003 (01.08.2003) KR

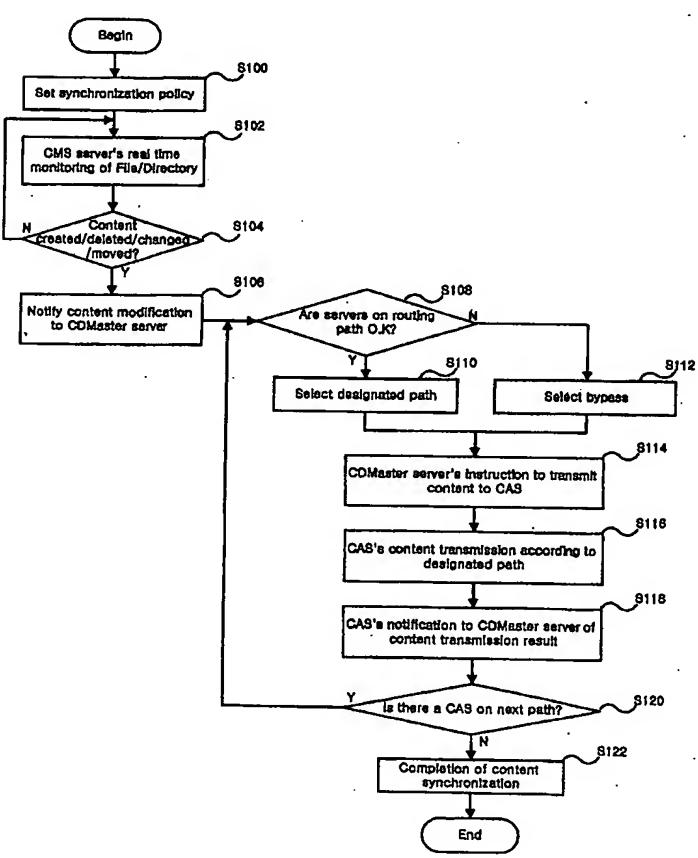
- (71) Applicant (for all designated States except US): NITGEN TECHNOLOGIES INC. [KR/KR]; 3rd Floor, Sanhak Research Foundation Building, 1337-31 Seocho-dong, Seocho-gu, Seoul 137-860 (KR).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): LEE, Nam-Yul

[KR/KR]; 104 ho Jiyoung Villa, 292-5 Junmin-dong, Yousung-gu, 305-810 Daejeon (KR). YOON, Kee-Joo [KR/KR]; 203 ho solgreen villa, 57-13 Songpa-dong, Songpa-gu, 138-849 Seoul (KR).

- (74) Agent: KIM, Sung-Soo; Room No. 702 Dongil Plaza Building, 763-7 Sanggye-6-dong, Nowon-gu, 139-831 Seoul (KR).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),

[Continued on next page]

(54) Title: A CONTENTS SYNCHRONIZATION SYSTEM IN NETWORK ENVIRONMENT AND A METHOD THEREFOR



(57) Abstract: A contents synchronization method comprises steps for: setting the synchronization policy; monitoring files and directories of a specific server in real time; checking whether there is content modification; performing said monitoring step again if there are no modification, but if there is modification, notifying to the CD Master server in real time that there is modification; confirming whether there is failure among the CD Master server, the CMS server, the CAS servers; selecting a contents routing path if there is modification; selecting a contents routing path if there is no modification; instructing a synchronization command to transmit said modified contents to target servers; transmitting the contents to target servers; notifying the transmission results; confirming whether there is a next contents routing path; performing said step for confirming again whether there is failure if there is a next contents routing path but completing the contents synchronization if there is no path.

WO 2005/013139 A1

#### 

European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

#### Published:

— with international search report